

Title (en)  
Dome shaped spring and switch

Title (de)  
Kuppelförmige Feder und Schalter

Title (fr)  
Ressort en forme de dôme et commutateur

Publication  
**EP 2290669 A1 20110302 (EN)**

Application  
**EP 10171537 A 20100802**

Priority  
JP 2009182939 A 20090806

Abstract (en)  
Disclosed is a dome shaped spring including: a dome shaped spring section in which buckling occurs by pushing, wherein at least a portion of a neutral face of a movable portion when buckling of the dome shaped spring section occurs is an aspherical shape.

IPC 8 full level  
**H01H 13/85** (2006.01); **H01H 13/70** (2006.01)

CPC (source: EP US)  
**H01H 13/85** (2013.01 - EP US); **H01H 13/7006** (2013.01 - EP US); **H01H 2205/034** (2013.01 - EP US); **H01H 2215/008** (2013.01 - EP US); **H01H 2215/018** (2013.01 - EP US); **H01H 2215/022** (2013.01 - EP US); **H01H 2215/024** (2013.01 - EP US)

Citation (applicant)

- JP 4079431 B2 20080423
- JP 3753676 B2 20060308
- JP 2004139997 A 20040513 - ALPS ELECTRIC CO LTD
- JP 2000322974 A 20001124 - ALPS ELECTRIC CO LTD

Citation (search report)

- [XA] US 2001035334 A1 20011101 - ANDERSSON MAGNUS [SE], et al
- [XI] GB 2098401 A 19821117 - TELECOMM EL AERONAUT MARITIME

Cited by  
US2012285812A1; US8957339B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2290669 A1 20110302; EP 2290669 B1 20121010**; CN 101996804 A 20110330; CN 101996804 B 20150923; JP 2011034927 A 20110217; JP 5347818 B2 20131120; US 2011031099 A1 20110210; US 8389885 B2 20130305

DOCDB simple family (application)  
**EP 10171537 A 20100802**; CN 201010248456 A 20100805; JP 2009182939 A 20090806; US 84838310 A 20100802